

PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

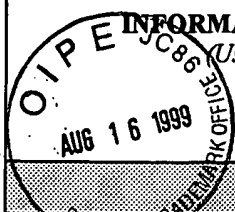
ATTY. NO.: 0225-4185

SERIAL NO.: 09/314,738

09/314,738

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)



APPLICANT(S): Sholom S. Rosen

FILING DATE: May 19, 1999

GROUP ART UNIT: ~~2132~~ 2132

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
GB	5,453,601	09/26/95	Rosen			
	5,539,828	7 / 1996	Davis			05/31/94
	5,473,692	12 / 1995	Davis			09/07/94
	5,568,552	10 / 1996	Davis			09/07/94
	4,443,027	4 / 1984	McNeely et al			
	4,454,414	6 / 1984	Benton			
	4,529,870	7 / 1985	Chaum			
	4,634,807	1 / 1987	Chorley et al.			
	4,644,493	2 / 1987	Chandra et al.			
	4,817,140	3 / 1989	Chandra et al.			
GB	4,916,738	4 / 1990	Chandra et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
GB	0 172670 A2	02/26/86	EPO				
	0 380 377 B1 (with Abstract)	8 / 1990	EPO				
	4 191 06 A1	3 / 1991	EPO				X
GB	9308545	4 / 1993	WIPO				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)

GB	"Online Cash Checks", Chaum, D.; <i>Advances in Cryptology</i> EUROCRYPT '89, Qiusquarter & J. Vandewalle (Eds.) Springer-Verlag, pp. 288-293.
	"Achieving Electronic Privacy", Chaum, D.; <i>Scientific American</i> , Aug. 1992, pp. 96-101.
	"Value Exchange Systems Enabling Security and Unobservability", Burk, H., et al., <i>Computers & Security</i> , 9 (1990), pp. 715-721.
	"Proxy-Based Authorization and Accounting for Distributed Systems", Neuman, B. Clifford; <i>Proceedings of the 13th International Conference on Distributed Computing Systems</i> , Pittsburgh, May 1993.
GB	"Le paiement électronique", P. Rémy, J.C. Pailles and F. Lay, <i>L'Echo des RECHERCHES</i> , No. 134 4 trimestre 1988 (with English-language translation).

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APPLICANT(S): Sholom S. Rosen

FILING DATE: May 19, 1999

GROUP ART UNIT: 2761

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
6B	4,926,480	5 / 1990	Chaum			
	4,972,175	11 / 1990	MacPherson			
	4,999,806	3 / 1991	Chernow et al.			
	5,109,413	4 / 1992	Comerford et al.			
	5,117,457	5 / 1992	Comerford et al.			
	5,131,039	7 / 1992	Chaum			
	5,144,663	9 / 1992	Kudelski et al.			
	5,148,534	9 / 1992	Comerford			
	5,162,989	11 / 1992	Matsuda			
6B	5,185,717	2 / 1993	Mori			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
6B	WO 94/01825	1 / 1994	PCT				
	0 474 360 A2	3 / 1992	EPO				
	0 569 816 A2	11 / 1993	EPO				
6B	22 57 55 7	1 / 1993	UK				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)

6B	"Padlock", D. Everett, <i>Computer Bulletin</i> , Mar. 1985, pp. 16-17.
	"ABYSS: A Trusted Architecture for Software Protection", S.R. White and L. Comerford, <i>IEEE</i> , 1987.
	"Public Protection of Software", A. Herzberg and S.S. Pinter, <i>ACM Transactions on Computer Systems</i> , vol. 5, no. 4, Nov. 1987, pp. 371-393.
	"Security Without Identification: Card Computers To Make Big Brother Obsolete", D. Chaum, 1987.
	"Internet Billing Service Design and Prototype Implementation", Marvin A Sirbu, <i>IMA Intellectual Property Project Proceedings</i> , vol. 1, Issue 1, Jan. 1994.
6B	"Dyad: A System for Using Physically Secure Coprocessors", J.D. Tygar and B. Yee, School of Computer Science, Carnegie Mellon Univ., Pittsburgh, PA.

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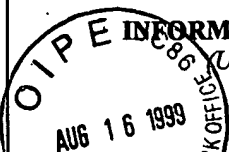
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U.S. PATENT DOCUMENTS

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LB	5,202,921	4 / 1993	Herzberg et al.			
	5,221,838	5 / 1993	Gutman et al.			
	5,247,578	9 / 1993	Pailles et al.			
	5,276,311	1 / 1994	Hennige			
	5,276,736	1 / 1994	Chaum			
	5,305,200	4 / 1994	Hartheimer et al.			
	5,319,705	6 / 1994	Halter et al.			
	5,416,840	5 / 1995	Cane et al.			
	5,440,634	8 / 1995	Jones et al.			
LB	4,794,644	12 / 1988	Philip et al.			

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FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
LB	Hei 4-64129	2/1992	JP			X	
LB	Hei 6-60089 (with English Abstract)	3/94	JP				X

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)

LB	"Trusted Devices as applied to Corporate Key Escrow", F. Sudia, Jan. 14, 1994, Bankers Trust Co.
	"Wavemeter Chip Provides Digital Money", M. Slater, <i>Microprocessor Report</i> , Vol. 8, No. 5, Apr. 18, 1994.
	"Data Networks and Open System Communications Directory / Information Technology - Open Systems Interconnection - The Directory: Authentication Framework," ITU-T Recommendation X.509, Nov. 1993
	"Anonymous Internet Mercantile Protocol", AT&T Bell Laboratories, Draft: March 17, 1994, pp. 1-16, David M. Kristol, Steven H. Low, Nicholas F. Maxemchuk
LB	Literature of Microcomputer [II], edited by Nihon Denshi Kogyo Sinko Kyokai (March, 1988), pp. 190-217 (Japanese language) and English translation thereof.

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INFORMATION DISCLOSURE CITATION

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APPLICANT(S): Sholom S. Rosen

FILING DATE: May 19, 1999

GROUP ART UNIT: 2701

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
GB	5,177,791	1 / 1993	Yeh et al.			
	4,993,069	2 / 1991	Matyas et al.			
	5,301,247	4 / 1994	Rasmussen et al.			
	4,933,971	6 / 1990	Bestock et al.			
	4,864,615	9 / 1989	Bennett et al.			
	5,247,576	9 / 1993	Bright			
	4,888,800	12 / 1989	Marshall et al.			
	4,876,716	10 / 1989	Okamoto			
	5,081,678	1 / 1992	Kaufman et al.			
	5,448,638	9 / 1995	Johnson et al.			
	4,941,173	7 / 1990	Boule et al.			
	4,956,863	9 / 1990	Goss			
	4,799,156	1 / 1989	Shavit et al.			
	4,879,747	11 / 1989	Leighton et al.			
	5,511,121	4 / 1996	Yacobi			09/08/94
GB	4,868,877	9 / 1989	Fischer			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)

GB		"Universal Electronic Cash", Tatsuki Okamoto and Kazuo Ohta, CRYPTO '91, (Session 8: Applications and Implementations; pp. 8-7 through 8-13).
GB		"Limitations of the Kerberos Authentication System", Steven M. Bellovin and Michael Merritt, USENIX - Winter '91 (1-15).

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APPLICANT(S): Sholom S. Rosen

FILING DATE: May 19, 1999

GROUP ART UNIT: 2731

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
GB	4,723,284	2 / 1998	Munck et al.			
	5,001,752	3 / 1991	Fischer			
	5,481,715	2 / 1996	Hamilton et al.			12/15/93
	5,490,251	2 / 1996	Clark et al.			08/09/94
	5,282,248	1 / 1994	Dejoy			
	4,663,664	5 / 1987	Ragan et al.			
	4,682,224	7 / 1987	Ragan et al.			
	4,682,223	7 / 1987	Ragan et al.			
	4,977,595	12 / 1990	Ohta et al.			
	4,453,074	6 / 1984	Weinstein			
	5,191,573	3 / 93	Hair			9/18/90
	5,675,734	10 / 97	Hair			2/27/96
	4,528,643	7 / 85	Freeny, Jr.			1/10/83

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
					Yes No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)

GB		"Applied Cryptography: Protocols, Algorithms, and Source Code in C", Bruce Schneier, John Wiley & Sons, Inc. (417-429) ISBN 0-471-59756-2; QA76.9.A25S35 1993.
		"An Architecture for Practical Delegation in a Distributed System", Morrie Gasser, Ellen McDermott, IEEE Computer Society Press, IEEE Computer Society Symposium on Research in Security and Privacy, May 7-9, 1990.
		"Practical Uses of Synchronized Clocks in Distributed Systems", Barbara Liskov, ACM Press, 10 th Annual ACM Symposium on Principles of Distributed Computing, Aug. 19-21, 1991, ISBN 0-89791-439-2.
		"SPX: Global Authentication Using Public Key Certificates", Joseph J. Tardo and Kannan Alagappan, IEEE 191 (CH2986-8/91/0000/0232).
GR		"The Digital Distributed System Security Architecture", Morrie Gasser, et al., Nat'l. Inst. of Standards and Tech./Nat'l Computer Security Ctr., 12 th National Computer Security Conferences, Baltimore, MD Oct. 10-13, 1989.

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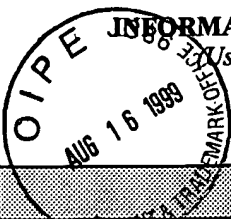
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APPLICANT(S): Sholom S. Rosen

FILING DATE: May 19, 1999

GROUP ART UNIT: 226 2/31

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
6B	5,878,139	3/99	Rosen			
	5,799,086	8/98	Sudia			
	5,703,949	12/97	Rosen			
	5,642,419	6/97	Rosen			
	5,621,797	4/97	Rosen			
	5,557,518	9/96	Rosen			
	5,396,558	3/95	Ishiguro et al.			
	5,389,738	2/95	Piosenka et al.			
	5,267,171	11/93	Suzuki et al.			
	5,265,164	11/93	Matyas et al.			
	5,200,999	4/93	Matyas et al.			
	5,005,200	4/91	Fischer			
	4,910,774	7/88	Barakat			
6B	09/138,107		Rosen			8/98
	09/138,290	PENDING	Rosen			8/98
	09/138,459	PENDING	Rosen			8/98
	09/197,179	PENDING	Rosen			11/98

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FOREIGN PATENT DOCUMENTS

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						Yes	No

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